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NOTICE OF ALLOWANCE AND FEE(S) DUE

27045

7590

07/23/2009

ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024

EXAMINER				
SU, SARAH				
ART UNIT	PAPER NUMBER			
2431				

DATE MAILED: 07/23/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527.368	01/04/2006	Pasi Ahonen	P17580US1	5719

TITLE OF INVENTION: SECURE BROADCAST/MULTICAST SERVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

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A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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		slock 1 for any change of address)		Fee(s) Transmir papers, Each ac	ttal. This cert Iditional pape	ificate cannot be used t	or domestic mailings of the for any other accompanying ent or formal drawing, must
ERICSSON IN 6300 LEGACY M/S EVR 1-C-1	IC. DRIVE 1	3/2009		I hereby certify States Postal Se addressed to the transmitted to the	that this Fee	te of Mailing or Trans (s) Transmittal is bein officient postage for fir of ISSUE FEE address 71) 273-2885, on the c	smission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
PLANO, TX 75	024						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE	3	FIRST NAMED INVEN	OR	ATT	ORNEY DOCKET NO.	CONFIRMATION NO.
10/527,368 TITLE OF INVENTION	01/04/2006 I: SECURE BROADCA	ST/MULTICAST SERVI	Pasi Ahonen ICE			P17580US1	5719
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nonprovisional	NO	\$1510	\$300		\$0	\$1810	10/23/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	\neg			
SU, S.	ARAH	2431	713-163000				
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un recordation as set fort	lication (or "Fee Address)2 or more recent) attack ND RESIDENCE DAT less an assignee is iden th in 37 CFR 3.11. Com	hed. Use of a Customer A TO BE PRINTED ON	data will appear on th T a substitute for filing	natively, ingle firm (havi or agent) and t attorneys or age be printed. r type) e patent. If an an assignment	ing as a mem he names of ents. If no na	identified below, the d	locument has been filed for
4a. The following fee(s) Issue Fee Publication Fee (N	riate assignee category o	4 permitted)	b. Payment of Fee(s): (A check is enclose Payment by credit	☐ Individual Please first rea ed. card. Form PT	Corpora	tion or other private greviously paid issue fee tached.	oup entity Government shown above) efficiency, or credit any in extra copy of this form).
NOTE: The Issue Fee an	ns SMALL ENTITY stat	us. See 37 CFR 1.27.	b. Applicant is no	longer claiming	g SMALL EN	√T1TY status. See 37 C	
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Typed or printed name				Regist	ration No		
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450.	CFR 1.311. The informati 5 U.S.C. 122 and 37 CFR e USPTO. Time will vary rrden, should be sent to th O NOT SEND FEES OR	on is required to obtain 1.14. This collection is y depending upon the i the Chief Information O COMPLETED FORM	or retain a bend estimated to ta dividual case. ficer, U.S. Pate S TO THIS AD	efit by the puake 12 minute. Any commercent and Trade DRESS. SEM	blic which is to file (an es to complete, includin nts on the amount of ti mark Office, U.S. Dep ND TO: Commissioner	d by the USPTO to process) ag gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/527,368	01/04/2006	Pasi Ahonen	P17580US1	5719
27045 75	590 07/23/2009		EXAM	INER
ERICSSON INC.		SU, SARAH		
6300 LEGACY DI	RIVE		ART UNIT	PAPER NUMBER
M/S EVR 1-C-11 PLANO, TX 75024			2431	
			DATE MAILED: 07/23/2009	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 416 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 416 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
Examiner-Initiated Interview Summary	10/527,368	AHONEN ET AL.
Lxammer-indated interview Summary	Examiner	Art Unit
	Sarah Su	2431
All Participants:	Status of Application:	<u> </u>
(1) <u>Sarah Su</u> .	(3)	
(2) Sidney Weatherford (45,602).	(4)	
Date of Interview: 7 July 2009	Time: <u>9:30 AM</u>	
Type of Interview: ☐ Telephonic ☐ Video Conference ☐ Personal (Copy given to: ☐ Applicant ☐ Exhibit Shown or Demonstrated: ☐ Yes ☐ No ☐ If Yes, provide a brief description: .	nt's representative)	
Part I.		
Rejection(s) discussed: none		
Claims discussed: Claims 1, 7, 13, and 20 were discussed.		
Prior art documents discussed:		
Part II.		
SUBSTANCE OF INTERVIEW DESCRIBING THE GENEF See Continuation Sheet	RAL NATURE OF WHAT WAS	S DISCUSSED:
Part III.		
 It is not necessary for applicant to provide a separate redirectly resulted in the allowance of the application. The of the interview in the Notice of Allowability. It is not necessary for applicant to provide a separate redid not result in resolution of all issues. A brief summary 	e examiner will provide a writte ecord of the substance of the	en summary of the substance interview, since the interview
/Sarah Su/		
Examiner, Art Unit 2431	1// =	
(A	pplicant/Applicant's Representat	ive Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: The applicant's representative has authorized an examiner's amendment consisting of the following:

In claim 1, line 8: delete "the registration message" and insert -the join request message-.

In claim 1, line 21: delete "the candidate subscriber" and insert -a candidate subscriber-.

In claim 1, line 22: delete "the certificate" and insert -a certificate-.

In claim 7, line 2: after "a secure IP multicast or broadcast", insert –by distributing security keys to the user using a key revocation based mechanism–.

In claim 7, line 3: delete "distributing security keys to users using a key revocation based mechanism".

In claim 7, after line 8, insert:

the user sending a join request message to a group controller, the join request message including the user's originating IPv6 address, a copy of the user's public key from the user's public-private key pair and triggering a verification wherein a digital signature is returned to the group controller, the digital signature generated by applying a cryptographic hashing function to the user's private key, from the user's public-private key pair, a random number and time stamp, both received from the group controller;

In claim 13, line 11: delete "a digital signature using" and insert –a digital signature, the digital signature generated by applying a cryptographic hashing function to–.

In claim 13, line 12: after "candidate member's public-private key pair", insert –, a random number and time stamp, both received from the group controller–.

In claim 13, line 16: delete "wherein the verifying means".

In claim 20, line 2: after "a secure IP multicast or broadcast", insert –by distributing security keys to the user using a key revocation based mechanism–.

In claim 20, lines 3-4: delete "means for distributing security keys to the user using a key revocation based mechanism".

In claim 20, after line 4: insert:

means for receiving a join request message from the user, the join request message including the user's originating IPv6 address, a copy of the user's public key from the user's public-private key pair;

means for verifying a digital signature generated by applying a cryptographic hashing function to the user's private key, from the user's public-private key pair, a random number and time stamp, both received from the group controller; In claim 20, lines 5-6: delete "a public-private key pair" and insert –the public-private key pair—.